

DEPARTMENT OF TRANSPORTATION
PROFESSIONAL SERVICES MANAGEMENT UNIT
REQUEST FOR LETTERS OF INTEREST

THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DESIRES TO ENGAGE QUALIFIED PRIVATE CONSULTING FIRMS FOR CONSTRUCTION ENGINEERING AND INSPECTION SERVICES FOR CONTRACT CONSTRUCTION PROJECTS

TIP: P-5208 A, C, G, B, D, E, F, H

Cabarrus and Mecklenburg Counties

LENGTH: 15.104 miles

ESTIMATED CONSTRUCTION COST: \$ 53,950,000

The primary and/or subconsultant firm(s) shall be Pre-qualified to perform Roadway Construction Engineering and Inspection services and Structure Construction Engineering and Inspection services for the above referenced projects. Work Codes required are:

- **00195 – Roadway Construction Engineering and Inspection**
- **00233 – Structures Construction Engineering and Inspection**

The North Carolina Department of Transportation desires to engage private consulting firms to provide Construction Engineering and Inspection (CEI) services on T.I.P. Project P-5208 in Cabarrus and Mecklenburg Counties involving the construction of railroad bed improvements and grade separations. The projects are:

- P-5208A,C,&G: NCRR/NS Mainline Haydock to Junker Railroad Roadbed (MP 360.0 to MP 372.2) in Cabarrus and Mecklenburg Counties; 12.2 Miles; Grading, Drainage, Paving, Structures, Retaining Walls; Estimated Construction Cost: \$25,700,000; Tentative Schedule: TIP Let - July 16, 2013, Date of Availability – September 2013, Estimated Completion Date – December 2016;
- P-5208B: Pharr Mill Road (SR 1158)/Blackwelder Road (SR 1307) Grade Separation Over NS/NCRR Railroad in Harrisburg in Cabarrus County; 0.55 Miles; Grading, Drainage, Paving, Structure, Signals; Estimated Construction Cost: \$6,600,000; Tentative Schedule: TIP Let – April 16, 2013, Date of Availability – June 2013, Estimated Completion Date – January 2015;
- P-5208D: Roberta Road (SR 1304) Extension Grade Separation Over NS/NCRR Railroad from Stallings Road (SR 1161) to NC 49 in Harrisburg in Cabarrus County; 0.469 Miles; Grading, Drainage, Paving, Structure, Signals; Estimated Construction Cost: \$6,600,000; Tentative Schedule: TIP Let – April 16, 2013, Date of Availability – June 2013, Estimated Completion Date – May 2015;
- P-5208E: Caldwell Park Drive Extension on New Location from Cochrane Farm to Existing Caldwell Park Drive in Harrisburg in Cabarrus County; 1.244 Miles; Grading, Drainage, Paving, Structure, Curb and Gutter; Estimated Construction Cost: \$3,750,000; Tentative Schedule: TIP Let – April 16, 2013, Date of Availability – June 2013, Estimated Completion Date – March 2015;
- P-5208F: Caldwell Road (SR 1173) Grade Separation Over NS/NCRR Railroad in Harrisburg in Cabarrus County; 0.402 Miles; Grading, Drainage, Paving, Structure, Curb and Gutter; Estimated Construction Cost: \$5,300,000; Tentative Schedule: TIP Let – April 16, 2013, Date of Availability – June 2013, Estimated Completion Date – November 2014; and

- P-5208H: Grier Road Extension Grade Separation Over NS/NCRR Railroad from South of Orr Road to Old Concord Road in Charlotte in Mecklenburg County; 0.239 Miles; Grading, Drainage, Structure, Signals, Paving, Curb and Gutter; Estimated Construction Cost: \$6,000,000; Tentative Schedule: TIP Let – April 16, 2013, Date of Availability – June 2013, Estimated Completion Date – September 2015.

The private consulting firm will be responsible for providing one engineer and technicians with the appropriate skills and qualifications to perform inspection, materials sampling, materials testing, surveying grade verification, documentation of pay quantities, and claims avoidance.

It is estimated that a **maximum** of one (1) engineer and thirteen (13) technicians will be needed during the life of the contract for the rail roadbed, bridge and roadway construction inspection including:

Engineering:

One (1) Assistant Resident Engineer, Transportation Engineer I

Roadway Inspection:

One (1) – Transportation Technician III;

Three (3) – Transportation Technician II; and

Two (2) – Transportation Technician I.

Structure Inspection:

Two (2) – Transportation Technician III;

One (1) – Transportation Technician II; and

One (1) – Transportation Technician I.

Three (3) – Transportation Technician II who may provide Roadway/Structure Inspection.

The Resident Engineer will be employed by the Department of Transportation and will be in direct control and responsible for the management of the construction engineering, inspection and contract administration. The Department of Transportation may add additional Departmental staff to these projects. The Department will perform any off-site material testing.

The technicians performing the inspection work must be NCDOT certified to perform materials sampling and testing or be able to obtain provisional certifications based on their combination of education, training and experience.

The method of payment for this project will be **COST PLUS FIXED FEE**.

The selection of a private consulting firm to provide CEI services on these specific projects will be handled in accordance with the following process:

1. Submission by the private consulting firm of a Letter of Interest (LOI).
2. Department will short list private consulting firms to a minimum of three firms.
3. Pre-interview meeting and oral interview at the option of the Department.

4. Department will select a private consulting firm to provide the CEI services.

Any firm wishing to be considered must be properly registered with the Office of the Secretary of State and with the North Carolina Board of Examiners for Engineers and Surveyors. Any firm proposing to use corporate subsidiaries or subcontractors must include a statement that these companies are properly registered with the North Carolina Board of Examiners for Engineers and Surveyors and/or the NC Board for Licensing of Geologists. The Engineers performing the work and in responsible charge of the work must be registered Professional Engineers in the State of North Carolina and must have a good ethical and professional standing. It will be the responsibility of the selected private firm to verify the registration of any corporate subsidiary or subcontractor prior to submitting a Letter of Interest. The firm must have the financial ability to undertake the work and assume the liability. The selected firm(s) will be required to furnish proof of Professional Liability insurance coverage in the minimum amount of \$1,000,000. The firm(s) must have an adequate accounting system to identify costs chargeable to the project.

SMALL PROFESSIONAL SERVICE FIRM (SPSF) PARTICIPATION

The Department encourages the use of Small Professional Services Firms (SPSF). Small businesses determined to be eligible for participation in the SPSF program are those meeting size standards defined by Small Business Administration (SBA) regulations, 13 CFR Part 121 in Sector 54 under the North American Industrial Classification System (NAICS). The SPSF program is a race, ethnicity, and gender neutral program designed to increase the availability of contracting opportunities for small businesses on federal, state or locally funded contracts. SPSF participation is not contingent upon the funding source.

The Firm, at the time the Letter of Interest is submitted, shall submit a listing of all known SPSF firms that will participate in the performance of the identified work. The participation shall be submitted on the Department's Subconsultant Form RS-2. RS-2 forms may be accessed on the website at <https://apps.dot.state.nc.us/quickfind/forms/Default.aspx>.

The SPSF must be qualified with the Department to perform the work for which they are listed.

Real-time information about firms doing business with the Department and firms that are SPSF certified through the Contractual Services Unit is available in the Directory of Transportation Firms. The Directory can be accessed by the link on the Department's homepage or by entering <https://apps.dot.state.nc.us/vendor/directory/> in the address bar of your web browser.

The listing of an individual firm in the Department's directory shall not be construed as an endorsement of the firm.

PREQUALIFICATION

The Department maintains on file the qualifications and key personnel for each approved discipline, as well as any required samples of work. Each year on the anniversary date of

the company, the firm shall renew their prequalified disciplines. If your firm has not renewed its application as required by your anniversary date or if your firm is not currently prequalified, please submit an application to the Department **prior** to submittal of your letter of interest. An application may be accessed at <https://connect.ncdot.gov/business/Prequal/Pages/Private-Consulting-Firm.aspx>. Having this data on file with the Department eliminates the need to resubmit this data with each letter of interest.

Even though specific DBE/MBE/WBE goals are not required for this project, the Department of Transportation is committed to providing opportunity for small and disadvantaged businesses to perform on its contracts through established Department goals. The Firm, subconsultant and subfirm shall not discriminate on the basis of race, religion, color, national origin, age, disability or sex in the performance of this contract

EVALUATION

All qualified firms who submit responsive letters of interest will be considered.

The evaluation of firms submitting letters of interest for this project will be based on the following considerations and their respective weights:

1. Firm's experience, knowledge, familiarity and past performance with highway construction and CEI services - 25%
2. The experience of the firm's proposed staff to perform the type of work required - 40%
3. Firm's understanding of the project specific issues and their responsibility in delivering CEI services for the advertised project(s) – 25%
4. Outstanding workload (CEI only) with NCDOT and NCTA – 10%

North Carolina firms qualified to do the required work will be given priority consideration. A North Carolina firm is a firm that maintains an office in North Carolina staffed with an adequate number of employees judged by the Department to be capable of performing a majority of the work required.

After reviewing qualifications, if firms are equal on the evaluation review, then those qualified firms with proposed SPSF participation will be given priority consideration.

FORMAT FOR SUBMISSION OF A PROFESSIONAL SERVICES MANAGEMENT UNIT LETTER OF INTEREST

All letters of interest are limited to eighteen (18) pages (RS-2 forms are not included in the page count) inclusive of the cover sheet, and shall be typed on 8 1/2" x 11" sheets, single spaced, one sided. **ONLY ELECTRONIC LETTERS OF INTEREST WILL BE ACCEPTED.** Letters of interest containing more than eighteen (18) pages will not be considered.

Letters of Interest should be submitted in .pdf format using software such as Adobe, CutePDF PDF Writer, DocuDesk deskPDF, etc.

One copy of the Letter of Interest should be sent through NCDOT's FTS system as a .pdf file: psmu-411@ncdot.gov. The FTS system will send you an electronic receipt when your LOI is downloaded to PSMU's server. **Paper copies are not required.** The subject line should contain the PEF's Name, and "LOI P-5208 CEI Services".

If an interested firm does not have an FTS account they should send a request through regular e-mail to psmu-411@ncdot.gov. A response will be sent via the FTS system that will provide a login username, password, and login procedures.

Section I - Cover/Introductory Letter

The introductory letter should be addressed to Mr. Scott D. Blevins, P.E., Manager, Professional Services Management Unit. Said letter is limited to two (2) pages and should contain the following elements of information:

- Expression of firm's interest in the work;
- Statement of whether firm is on register;
- Date of most recent private engineering firm pre-qualification;
- Statement regarding firm's possible conflict of interest for the work; and
- Summation of information contained in the letter of interest including the **email address and telephone number of the firm's contact.**

Section II - Evaluation Factors

This section is limited to eight (8) pages and should contain information regarding evaluation and other factors listed in the advertisement such as:

- Summation of information contained in the letter of interest.
- Identify project personnel/subconsultants qualifications and experience as related to this project;
- Unique qualifications of key team members;
- Identify type and location of similar work performed within last seven (7) years;
- Understanding of project approach to performing CEI services for this work, including the firm's understanding of their responsibility with regard to safety, contract administration, environmental responsibility, claims, and project delivery.

- Any innovative approaches to be used;
- List all CEI contracts, type of work, percentage complete, and outstanding balances with the NCDOT and NCTA;
- List any CEI work being performed as a subconsultant on any NCDOT and NCTA project(s). This worked should be listed by TIP, prime consultant, type of work and outstanding balance.
- List any CEI contracts that selections have been made, but not approved by the Secretary of Transportation; and
- List any upcoming CEI work that may be a subsequent phase to an existing contract.

Note: If a project team or subconsultant encounters personnel changes, or any other changes of significance dealing with the company, NCDOT should be notified immediately.

Section III - Supportive Information

This section is limited to eight (8) pages and should contain the following information:

- Capacity Chart/Graph (available work force); indicating the personnel to be assigned to the work by discipline, their availability date on the project and if they are currently working on other NCDOT work. If proposed personnel are currently working on other NCDOT work, indicate which project and Engineer. Also, if early removal from current NCDOT work is necessary, indicate if that has been discussed with the current Engineer.
- Organizational chart indicating personnel to be assigned by discipline;
- Resumes of key personnel including TT III's;
- Names, classifications, and location of the firm's North Carolina employees and resources to be assigned to the advertised work; and
- Other information.

APPENDICES-

CONSULTANT CERTIFICATION Form RS-2

Completed Form RS-2 forms SHALL be submitted with the firm's letter of interest. This section is limited to the number of pages required to provide the requested information.

Submit Form RS-2 forms for the following:

- Prime Consultant firm (Prime Consultant Form RS-2 Rev 1/14/08), and;
- ANY/ALL subconsultant firms (Subconsultant Form RS-2 Rev 1/15/08) to be or anticipated to be utilized by your firm.

Complete and sign each Form RS-2 (instructions are listed on the form).

In the event the firm has no subconsultant, it is required that this be indicated on the Subconsultant Form RS-2 by entering the word "None" or the number "ZERO" and signing the form.

The required forms are available at:

<https://apps.dot.state.nc.us/quickfind/forms/Default.aspx>.

Private consulting firms are invited to have Letters of Interest for furnishing CEI services "FTS-ed" to the Professional Services Management Unit by **12:00 p.m. on December 6, 2012**. Letters of Interest received after this deadline will not be considered.

Firms submitting Letters of Interest are encouraged to carefully check them for conformance to the requirements stated above. If Letters of Interest do not meet ALL of these requirements or if they are sent by any other means other than NCDOT's FTS system, or to any address other than psmu-411@ncdot.gov they will be disqualified. No exception will be granted.

The e-mail address is:

psmu-411@ncdot.gov

Any questions concerning the advertisement or scope of work should be directed to Scott Blevins, PE, at sblevins@ncdot.gov or by telephone at 919-250-3004.

If you feel information provided is inadequate to submit a letter of interest, please contact Mr. Blevins.

Private consulting firms on the short list will be notified of such on December 14, 2012. Notification will not be sent to firms not short listed. **In the event the Department elects to hold Oral Interviews, interviews will be held on the week of January 7, 2013.**

The firm(s) selected will be notified by January 11, 2013. Notification will not be sent to firms not selected.

The firm(s) selected will be listed on the Internet at

<https://connect.ncdot.gov/letting/Pages/Private-Engineering-Firm-Advertisements-.aspx> by January 14, 2013.

The Department reserves the right to reject any and all Letters of Interest.

PROHIBITIONS / EXEMPTIONS

Joint Ventures will not be considered.

The selected firm to perform CEI services for these projects will not be allowed to subcontract the construction surveying from the Contractor for these construction projects.

Firms that have provided design services for these construction projects are prohibited from submitting Letters of Interest for this advertisement as a prime consultant or subconsultant unless an exemption is granted by the State Construction Engineer as follows:

Firms that have provided any design services for these projects and still desire to submit a Letter of Interest or be included in a Letter of Interest as a subconsultant must request an exception to this policy, in writing, from the State Construction Engineer prior to submission of the Letter of Interest for this advertisement. **The exception should clearly state the desire of the firm to submit as a prime or subconsultant, or both; the scope of design services completed; the anticipated construction costs of that portion of the work; the fees received for the design services; and any steps that will be taken by the firm to eliminate or minimize any potential conflicts.**

If the exception is approved by the State Construction Engineer, the firm should provide a detailed explanation of the design services provided and steps they will take to eliminate/minimize any potential conflicts of interest if they are selected to provide CEI services.